B #3

RAW SEQUENCE LISTING DATE: 09/27/2001 PATENT APPLICATION: US/09/831,846 TIME: 11:56:30

Input Set : A:\06501-081001.txt

	4 <110	> APPLIC	CANT: Fu	nahash	ni, Shir	n-ich	i								
	5	Miyata	a, Shoji									r=			
	6	Nomura	a, Nobuo									-	= M T	ER	
	7	Nagase	e, Takah	iro											كا كا
	8	Ohara,	Osamu												
			OF INVE				ENC	ODIN	IG BF	RAIN-	SPEC	CIFIC	MEMBRA	NE PROT	EIN.
_			REFERENC												
			NT APPLI					, 846	Ý						
			T FILIN					24							
			APPLICA				JP99,	/064	49						
			FILING												
			APPLICA				0/33	1727	,						
			FILING			1-20									
			R OF SEQ	ID NO	os: 7										
		> SEQ II													
		> LENGTH											•		
		> TYPE:			_										
			ISM: Hom	o sapi	iens										
		> FEATUR													
		-	KEY: CDS												
			ION: (46	6)(2	2832)										
		> SEQUE												60	
			ctctcgct											60	
	_	_	aagacacc											120	
		-	ggaaaatc											180 240	
			gaagagaa											300	
			actgaata ttcgccgg											360	
														420	
			ccgagccg											477	
. 5		ggggta g	gatgctgc	et ege	ccayyc	y CLG	ayıy	acc	ayac				r Leu	4//	
5										PIC	1	Lu II	II Leu		
		art arc	ctg cta	aca t	tt aac	ato	aca .	+++	acc	αtα		gac	acc	525	
			Leu Leu											020	
	6 5	011 011	Lea Lea	10	017	1100		15					20		
		ccc aag	tac tgt		tac caa	aat	cta ·	tct	σασ	tca	cta	aaa	acc	573	
	_	_	Tyr Cys	_			-								
6	_	<u>-</u> -	25		•		30					35			
6	2 ctg ·	tgc ccc	tcc aag	ggg c	etg ctc	ttt	gta	ccc	cct	gat	att	gac	cgg	621	
			Ser Lys												
	4	-	40	_		45					50				
6	6 cgg a	aca gtg	gag ctg	cgc c	ctg ggc	ggc	aac	ttc	atc	atc	cac	atc	agc	669	
6	7 Arg '	Thr Val	Glu Leu	Arg I	Leu Gly	Gly	Asn	Phe	Ile	Ile	His	Ile	Ser		
6	8	5 5			60					65					
7	0 cgc	cag gac	ttt gcc	aac a	atg acg	ggg	ctg	gtg	gac	ctg	acc	ctg	tcc	717	
7	1 Arg (Gln Asp	Phe Ala	Asn N	Met Thr	Gly	Leu	Val	Asp	Leu	Thr	Leu	Ser		
7	2	70			75				80						

Input Set : A:\06501-081001.txt

74 agg aac a	_		_			_	_
75 Arg Asn T	hr Ile Ser		Sln Pro		Phe Leu A	=	
76 85	~ . + ~	90 32t att a		95	-ta aan n	10	
78 agc ctc c 79 Ser Leu A	-	_	_		_		-
80	105		_	110	ded FIO 5	115	· Y
82 gag gac a					cac ctt a		ac 861
83 Glu Asp T							
84	120		125		1	.30	
86 aac aac c	ag ctg ggc	ggc atc g	ca gat	gag gct t	ttt gag g	ac ttc ct	g 909
87 Asn Asn G	_	_	_	Glu Ala H		sp Phe Le	eu
	35		.40		145		
90 ctg aca t							
91 Leu Thr L	eu Glu Asp		Leu Ser			is GIV Le	au .
92 150 94 ccg tgg g	ac too ata	155	ta ata		160 Sac cac c	ta aac ct	g 1005
95 Pro Trp A							
96 165	BP BCI VGI	170	icc var i	175		18	
98 gac cac a	ac ctg ctg		itc gcc		acc ttt q		
99 Asp His A							
100	18			190		195	
102 cag aaa	ctg gcc cg	c ctg gat	ctc acc	tcc aat	cgg ctg	cag aag c	etg 1101
103 Gln Lys	Leu Ala Ar	g Leu Asp	Leu Thr	Ser Asn	Arg Leu	Gln Lys I	Leu
104	200		205			210	
106 ccc cct	-	_	_				
107 Pro Pro	_	e Phe Ala	=	GIn Ala		Leu Thr A	ı1a
	215	++-	220	agt ttt	225	224 442 4	ett 1197
110 aca ccc 111 Thr Pro	=	_					
112 230	riie Ala Fi	235	Ser File	Ser File	240	ASII FIO I	ieu
114 cac tgc	aat tgt ga		taa cta	cgg agg		cgg gac g	rat 1245
115 His Cys		_					
116 245	_	250	_	255			260
118 gac ctg	gaa acc tg	t ggc tcc	cca ggg	ggc ctc	aag ggt	cgc tac t	tc 1293
119 Asp Leu	Glu Thr Cy	s Gly Ser	Pro Gly	Gly Leu	Lys Gly	Arg Tyr F	?he
120	26			270		275	
122 tgg cat							
123 Trp His	_	u Glu Glu		_	Pro Pro		'hr
124	280	~ ++~ ~+~	285		aaa aaa	290	etc 1389
126 cag cac 127 Gln His							
	295	s hed hed	300	GIU GIY	305	AIG IIII I	Jeu
130 aag tgc		t ggg gac		ccc ctt		tgg gta g	gcc 1437
131 Lys Cys							
132 310	_	315			320	-	
134 ccc gat							
135 Pro Asp	Asp Arg Le	_	Asn Ser	_	Thr Ala	_	-
136 325		330		335			340
138 aat ggc	acc ctg ga	c atc ttc	atc acc	aca tct	cag gac	agt ggt g	gcc 1533

Input Set : A:\06501-081001.txt

	39 40	Asn	Gly	Thr	Leu	Asp 345	Ile	Phe	Ile	Thr	Thr 350	Ser	Gln	Asp	Ser	Gly 355	Ala	٠
1	42	ttc	acc	tac	att	act	acc	aat.	act.	acc	ααa	gag	ggg	acq	acc	atg	at.a	1581
																Met.		
		FIIE	1111	Cys		AΙα	AIG	A511	ALG	365	GLY	GIU	пια	T 11T	370	1100	· vai	
	44				360	4												1600
			-			-										agc		1629
1	47	Glu	Val	Ser	Ile	Val	Gln	Leu		His	Leu	Ser	Asn		Thr	Ser	Arg	
	48			375					380					385				
1	50	act	gca	ccc	ccc	aag	tcc	cgc	ctc	tca	gac	atc	act	ggc	tcc	agc	aag	1677
1	51	Thr	Ala	Pro	Pro	Lys	Ser	Arg	Leu	Ser	Asp	Ile	Thr	Gly	Ser	Ser	Lys	
1	52		390					395					400					
1	54	acc	agc	caa	ασa	aat	qqa	qqc	agt	qqq	ggc	qqa	gag	cct	ccc	aaa	agc	1725
																Lys		
		405	001	9		011	410	0-1		0-1	0-1	415				_1 -	420	
			000	~ ~ ~	aaa	aat		a++	ata	tat	α 2 2		200	200	200	tcg		1773
			_	-		_	_											1773
		Pro	Pro	GIU	Arg		vaı	ьeu	val	Ser		Val	THE	TILL	THI	Ser	Ата	
	60					425					430					435		
																atg		1821
1	63	Leu	Val	Lys	\mathtt{Trp}	Ser	Val	Ser	Lys	Ser	Ala	Pro	Arg	Val	Lys	Met	Tyr	
1	64				440					445					450			
1	66	cag	ctg	cag	tac	aac	tgc	tct	gac	gat	gag	gta	ctg	att	tac	agg	atg	1869
1	67	Gln	Leu	Gln	Tyr	Asn	Cys	Ser	Asp	Asp	Glu	Val	Leu	Ile	Tyr	Arg	Met	
1	68			455					460					465				
1	70	atc	cca	acc	tcc	aac	aaσ	qcc	ttc	ata	atc	aac	aac	ctq	ata	tca	qqq	1917
																Ser		
	72		470					475					480				-	
		act		tac	gac	tta	tat		cta	acc	atσ	taa		gac	aca	gcc	aca	1965
					_	_	_		_							Ala		1700
			GIY	тут	ASP	цеи	_	vaı	пеп	AIA	Met	495	нэр	изъ	TIII	ліа	500	
		485					490				4							2012
																acc		2013
		Thr	Leu	Thr	Ala		Asn	Ile	Val	GIĀ	_	Ala	GIn	Phe	Phe	Thr	гàг	
	80					505					510					515		
																ggc		2061
1	83	Ala	Asp	Tyr	Pro	Gln	Cys	Gln	Ser	Met	His	Ser	Gln	Ile	Leu	Gly	Gly	
	84				520					525					530			
1	86	acc	atg	atc	ctg	gtc	atc	ggg	ggc	atc	atc	gtg	gcc	acg	ctg	ctg	gtc	2109
																Leu		
	88			535				-	540					545				
		ttc	atc		atc	ctc	atσ	ata		tac	ааσ	atc	tac	aac	cac	gag	acc	2157
																Glu		
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		565					570					575					580	
																ccg		2253
		Gly	Ala	Gln	Pro		Pro	Pro	Ser	Ser		Pro	Ala	Gly	Ala	Pro	Pro	
	00					585					590					595		
2	02	cag	ggc	ccg	ccg	aag	gtg	gtg	gtg	cgc	aac	gag	ctc	ctg	gac	ttc	acc	2301
																Phe		
			_			_				-					-			

Input Set : A:\06501-081001.txt

204				600					6 N E					610			
204			_4_	600					605			<b>.</b>		610			2240
										tct							2349
	Ата	Ser		Ата	Arg	Ата	ser		ser	Ser	ser	ser		ser	Leu	GIY	
208			615					620					625				2207
•										gcc							2397
	Ser	_	GLu	Ala	Ala	GLY		GLA	Arg	Ala	Pro	_	Arg	тте	Pro	Pro	•
212		630					635					640					
		_	_	_						gac							2445
		Ala	Pro	Arg	Pro	_	Pro	Ser	Leu	Asp	-	Leu	Met	Gly	Ala		
	645					650					655					660	
	-		_	-		_	-			aag							2493
219	Ala	Ser	Leu	Asp		Lys	Ser	Gln	Arg	Lys	Glu	Glu	Leu	Leu		Ser	
220					665					670					675		
										acg							2541
223	Arg	Thr	Pro	Ala	Gly	Arg	Gly	Ala	Gly	Thr	Ser	Ala	Arg	Gly	His	His	
224				680					685					690			
226	tcg	gac	cga	gag	cca	ctg	ctg	ggg	CCC	cct	gcg	gcc	cgg	gcc	agg	agc	2589
227	Ser	Asp	Arg	Glu	Pro	Leu	Leu	Gly	Pro	Pro	Ala	Ala	Arg	Ala	Arg	Ser	
228			695					700					705				
230	ctg	ctc	ccc	ttg	ccg	ttg	gag	ggc	aag	gcc	aaa	cgc	agc	cac	tcc	ttc	2637
231	Leu	Leu	Pro	Leu	Pro	Leu	Glu	Gly	Lys	Ala	Lys	Arg	Ser	His	Ser	Phe	
232		710					715					720					
234	gac	atg	ggg	gac	ttt	gct	gct	gcg	gcg	gcg	gga	ggg	gtc	gtg	ccg	ggc	2685
	_	_		_		_	-									Gly ·	
	725		•	-		730					735	_				740	
238	qqc	tac	aqt	cct	cct	cqq	aaq	gtc	tcg	aac	atc	tgg	acg	aag	cgc	agc	2733
										Asn							
240	1	-1-			745	_	-			750		-		-	755		
242	ctc	tct	qtc	aac	qqc	atq	ctc	ttq	ccc	ttt	qaq	qaq	agt	gac	ctg	gtg	2781
										Phe							
244				760	-				765					770			
	aaa	acc	caa	aaa	act	ttt	aac	agc	tcc	gaa	taa	ata	atq	qaq	agc	асч	2829
		-						-		Ğlu			_				
248	1		775	4			4	780			-		785				
	atc	tago	–	aaa 1	taaa	catoo	et c		cete	g tg	сосас	aaat.		aσaa	aaa		2882
251	_		, -, -,	222	-555	ou c g ·				, -,	- <b>5</b>	,,,,	יכככ		222		
		gaat	tot (	cacto	raca:	aar ta	3+++6	rtaa	a att	ttaca	ataa	tga	tatti	tac a	aticca	agggac	2942
	_	_			-											atcacc	3002
	_	-			-		-						_			gactga	3062
																acaagc	3122
						ta to			,		Laat	Cac	aaat	y ca y	geet	acaage	3144
	_				_	La L	9										2144
				D NO													
				H: 7	9												
		2> T			TT			_									
						ر sa	piens	5									
				NCE:		C1	C1	T ~ · ·	T	<b>73.7</b> _	Dl	C1	Ma+	<b>71</b> -	Db a	71-	
		GLU	Tnr	ьeu		GTA	GТĀ	ьeu	ьeu	Ala	rne	GTA	мет	ата		Ala	
272	1		_		5	_	_	_	_	10	_		_	_	15	<b>~</b> 1	
2/3	val	val	Asp	Ala	Cys	Pro	гàг	Tyr	Cys	Val	Cys	GIn	Asn	ьeu	ser	GIU	

Input Set : A:\06501-081001.txt

274				20					25					30		
275	Ser	Leu	Gly	Thr	Leu	Cys	Pro	Ser	Lys	Gly	Leu	Leu	Phe	Val	Pro	Pro
276			35					40					45			
277	Asp		Asp	Arg	Arg	Thr		Glu	Leu	Arg	Leu		Gly	Asn	Phe	Ile
278		50				_	55	_	_			60		_		_
		His	Ile	Ser	Arg		Asp	Phe	Ala	Asn		Thr	GLY	Leu	Val	
280		<b></b> 1	<b>-</b>		<b>3</b>	70	m1	-1-	G	***	75 - 1 -	a1	D	Dh.	C	80
	Leu	Thr	ьеu	Ser	Arg 85	Asn	Thr	IIe	ser	His	ше	GIN	Pro	Pne	95	Pne
282	Tou	N an	T 011	C1		T 011	7~~	Sar	Lou	His	Tau	λαη	Car	λcn		T.011
284	ьец	АБР	ш <del>е</del> u	100	361	пец	лту	361	105	1113	пси	пор	501	110	Arg	пси
	Pro	Ser			Glu	Asp	Thr	Leu		Gly	Leu	Val	Asn		Gln	His
286	110	501	115	017	014			120	9	1			125			
	Leu	Ile		Asn	Asn	Asn	Gln		Gly	Gly	Ile	Ala		Glu	Ala	Phe
288		130					135			. 4		140	-			
289	Glu	Asp	Phe	Leu	Leu	Thr	Leu	Glu	Asp	Leu	Asp	Leu	Ser	Tyr	Asn	Asn
290	145	_				150					155					160
291	Leu	His	Gly	Leu	Pro	Trp	Asp	Ser	Val	Arg	Arg	Met	Val	Asn	Leu	His
292					165					170					175	
293	Gln	Leu	Ser	Leu	Asp	His	Asn	Leu	Leu	Asp	His	Ile	Ala	Glu	Gly	Thr
294				180					185					190		
	Phe	Ala	_	Leu	Gln	Lys	Leu		Arg	Leu	Asp	Leu		Ser	Asn	Arg
296			195	_	_	_	_	200		_,		_	205			_
	Leu		Lys	Leu	Pro	Pro		Pro	Ile	Phe	Ala		Ser	GIn	Ala	Ser
298		210	m)		m1	D	215	31-	D	D	T	220	Dha	Com	Dho	C1
		Leu	Thr	Ala	Thr	230	Pne	Ата	Pro	Pro	Leu 235	ser	Pne	ser	Phe	240
	225	λan	Pro	Lau	ui e		λen	Cve	Glu	Leu		ሞድክ	T.e.ii	Δτσ	Δra	
302	GLY	HOII	110	пси	245	Cys	ASII	Cys	Olu	250	шец		шеч	9	255	Lou
	Glu	Ara	Asp	Asp		Leu	Glu	Thr	Cvs	Gly	Ser	Pro	Glv	Glv	_	Lys
304		5		260					265	•			-	270		-
305	Gly	Arg	Tyr	Phe	Trp	His	Val	Arg	Glu	Glu	Glu	Phe	Val	Cys	Glu	Pro
306			275					280					285			
307	Pro	Leu	Ile	Thr	Gln	His	Thr	His	Lys	Leu	Leu	Val	Leu	Glu	Gly	Gln
308		290					295					300				
		Ala	Thr	Leu	Lys		Lys	Ala	Ile	Gly		Pro	Ser	Pro	Leu	
	305		_	_		310					315		_	_	_	320
	His	Trp	Val	Ala		Asp	Asp	Arg	Leu	Val	GLY	Asn	Ser	Ser		Thr
312			_	_	325	<b>~1</b>	m1	<b>.</b>	•	330	D1	<b>T</b> 1 -	m1	m la	335	C1
	Ата	val	Tyr		Asn	GLY	Thr	ьeu		TTE	Pne	шe	Thr	350	ser	Gln
314	7	C	c1	340	Dho	mha	Crra	т1 о	345	. ה וא	N a n	. ה	ת 1 ת		C1.,	<b>λ</b> Ι ¬
316	ASP	ser	355	Ата	Pne	THE	Cys	360	Ald	Ald	ASII	нта	365	GIY	GIU	Ala
	Пhr	7 l s		Wa 1	Glu	Val	Ser		Val	Gln	T.eu	Pro		T.e.ii	Ser	Δen
318	T.11T	370	115 6	*a1	Giu	, ar	375	110	+41	CIII	Leu	380		Leu	501	
	Ser		Ser	Aro	Thr	Ala		Pro	Lvs	Ser	Ara		Ser	Asp	Ile	Thr
	385			9		390			_1 _	- <b></b>	395			- T.		400
		Ser	Ser	Lys	Thr		Arg	Gly	Gly	Gly		Ser	Gly	Gly	Gly	Glu
322	-			-	405		_	_	=	410	_		_	_	415	

VERIFICATION SUMMARY

DATE: 09/27/2001

PATENT APPLICATION: US/09/831,846

TIME: 11:56:31

Input Set : A:\06501-081001.txt

Output Set: N:\CRF3\09272001\I831846.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date